


Editorial

Advancing medical and biological research: a call for innovation and collaboration

S. M. Lutful Kabir* 

Department of Microbiology and Hygiene, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh

*Corresponding author: S. M. Lutful Kabir, Department of Microbiology and Hygiene, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh. E-mail: lkabir79@bau.edu.bd

Received: 07 March 2024/Accepted: 20 March 2024/Published: 25 March 2024

Copyright © 2024 S. M. Lutful Kabir. This is an open access article distributed under the Creative Commons Attribution 4.0 International License (<https://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

As we navigate the complexities of the modern world, the pursuit of scientific understanding in medical and biological research becomes increasingly vital (Betz *et al.*, 2023). The Asian Journal of Medical and Biological Research (AJMBR) stands as a beacon in this pursuit, dedicated to the dissemination of high-quality and innovative research spanning a vast array of disciplines (Akter *et al.*, 2015; Dar *et al.*, 2015; Mahmud *et al.*, 2015; Mojumder *et al.*, 2015; Borty *et al.*, 2016; Mohanta *et al.*, 2016). With a focus encompassing Medical Science, Dental Science, Veterinary Science, Environmental Science, Food Science and Nutrition, Marine Science and Fisheries and beyond, AJMBR serves as a platform for the exchange of knowledge and ideas that drive progress and innovation in these critical fields (Borty *et al.*, 2015; Rahman *et al.*, 2016; Hossain *et al.*, 2017; Islam *et al.*, 2017a; Hoq *et al.*, 2018; Mondal *et al.*, 2024).

In the realm of Medical Science, research is not merely a pursuit of knowledge but a commitment to improving human health and well-being (Tannenbaum, 2019; Islam and Hossain, 2021; Majumder *et al.*, 2021). From novel treatment modalities to innovative diagnostic techniques, the contributions of researchers in this domain are indispensable (Monwar *et al.*, 2018; Rahman *et al.*, 2020; Rahaman *et al.*, 2023a, 2023b). AJMBR invites scholars and practitioners alike to share their insights and discoveries, fostering a collaborative environment where ideas can flourish and solutions to pressing medical challenges can be found.

Similarly, in the realm of Biological Sciences, the interconnectedness of living organisms and their environments presents a myriad of opportunities for exploration and discovery (Ahmed *et al.*, 2016; Hasan *et al.*, 2016; Yeasmin *et al.*, 2016). Whether studying ecosystems, genetics, or the intricate workings of cellular and molecular processes, researchers in these fields play a crucial role in unraveling the mysteries of life itself (Gofur, 2020; Hossen, 2021; Mustari *et al.*, 2021). AJMBR welcomes submissions that push the boundaries of knowledge in these areas, paving the way for a deeper understanding of the natural world and its inhabitants.

Moreover, AJMBR recognizes the importance of interdisciplinary research in addressing complex issues that transcend traditional disciplinary boundaries (Gisèle *et al.*, 2016; Islam *et al.*, 2017b). By fostering collaboration between researchers from diverse backgrounds, AJMBR aims to facilitate the integration of knowledge and methodologies from various fields, ultimately leading to more comprehensive and impactful discoveries. As we look to the future, the challenges facing medical and biological sciences are immense, from emerging infectious diseases to environmental degradation and food security concerns (Merza *et al.*, 2019; Tama *et al.*, 2020). However, with dedication, creativity, and collaboration, we have the potential to overcome these challenges and build a healthier and more sustainable world for future generations.

At AJMBR, we take pride in our rigorous peer-review process, which ensures the quality and integrity of the research published in our journal. Each manuscript undergoes thorough evaluation by experts in the respective

fields, providing valuable feedback and guidance to authors while upholding the highest standards of scientific rigor and integrity. It is through this meticulous review process that AJMBR maintains its reputation as a trusted source of cutting-edge research and scholarship.

Furthermore, we are pleased to announce that AJMBR is indexed in several prestigious databases, including BanglaJOL, CAB Abstracts, Chemical Abstracts Service (CAS), Crossref, and Global Health (CAS, 2023; COPE, 2023). These indexing services enhance the visibility and accessibility of our published content, facilitating broader dissemination and impact within the global scientific community. Additionally, AJMBR is a proud member of the Committee on Publication Ethics (COPE), reaffirming our commitment to upholding ethical standards and best practices in scholarly publishing. As part of our ongoing efforts to expand our reach and impact, AJMBR is actively pursuing inclusion in additional databases, such as the Directory of Open Access Journals (DOAJ), Scopus, PubMed and the Web of Science (WoS). These initiatives aim to elevate the visibility and recognition of AJMBR on a global scale, further solidifying our position as a leading publication in the field of medical and biological research.

We express our sincere appreciation to all those who have played a role in the success of this journal. Your commitment and enthusiasm for scientific exploration have been instrumental in driving our ongoing progress and achievements. The authors, through their innovative research and scholarly contributions, serve as the foundation of our publication, while the reviewers offer invaluable expertise and critical perspectives that uphold the rigor and quality of the research presented in AJMBR. Additionally, the guidance and oversight provided by our esteemed editorial board members are essential in maintaining the journal's standards of excellence and shaping its trajectory. Together, our community of authors, reviewers, editors, and readers collaborates tirelessly to advance research and uphold excellence in the field of medical and biological sciences. Let us continue to embrace diversity, foster collaboration, and push the boundaries of knowledge in pursuit of improving human health and the global environment.

Since its launch in June 2015, the Asian Journal of Medical and Biological Research (AJMBR) has been dedicated to providing unwavering support to the global community of medical and biological research endeavor. Over the years, we take immense pride in our accomplishment of publishing a total of 549 scientific papers, each making a significant contribution to the vast body of knowledge in various areas of medical and biological science (Amin *et al.*, 2016; Munsu *et al.*, 2016; Rakib *et al.*, 2016). The AJMBR has served as a trusted platform for researchers, scholars, and practitioners from around the world to disseminate their findings, share insights, and engage in meaningful dialogue. By fostering collaboration and knowledge exchange across diverse disciplines within the medical and biological sciences, AJMBR has played a pivotal role in advancing scientific understanding and addressing pressing challenges facing humanity. From groundbreaking discoveries to innovative methodologies, AJMBR continues to contribute to the collective body of knowledge, ultimately driving progress and improving outcomes in healthcare, environmental conservation, and beyond. As we look to the future, AJMBR remains committed to its mission of supporting and amplifying the efforts of the global research community, empowering researchers to make meaningful contributions to the betterment of society and the world at large.

Ethical approval and informed consent

Not applicable.

Data availability

Not applicable.

Conflict of interest

None to declare.

Author's contribution

Conceptualization, formal analysis, writing-original draft preparation, review and editing: S. M. Lutful Kabir. The author has read and approved the final version of the published editorial.

References

Ahmed S, MSI Siddiqui, K Islam, MU Gani, S Moonmoon, MHO Rashid and MA Awal, 2016. Effect of arsenic trioxide along with tannic acid, di-sodium hydrogen phosphate, alum and effects of sand-charcoal-iron-filter bed filtrated water along with alum on body weight and some hematological parameters in rabbit. Asian J. Med. Biol. Res., 2: 38-47.

- Akter MS, MA Yousuf, MY Ali, MM Khatun, S Saha and MK Islam, 2015. Effect of dietary fatty acid on blood lipid profile and induced bacterial infection in rat. *Asian J. Med. Biol. Res.*, 1: 235-243.
- Amin MR, MH Rahman, M Talukder, MA Asgar, AK Paul, and ML Mollah, 2016. Poverty alleviation of destitute women and poor farmers in Barisal district of Bangladesh through beef fattening. *Asian J. Med. Biol. Res.*, 2: 48-54.
- Betz UAK, L Arora, RA Assal, H Azevedo, J Baldwin, MS Becker, S Bostock, V Cheng, T Egle, N Ferrari, EK Schneider-Futschik and S Gerhardy, 2023. Game changers in science and technology - now and beyond. *Technol. Forecast. Soc. Chang.*, 193: 122588.
- Borty SC, KMB Hafiz, MM Ali, K Begum, T Ahammed, MS Monir and MA Islam, 2015. Isolation, identification and antibiogram profile of bacteria isolated from dental caries patients of Mymensingh district of Bangladesh. *Asian J. Med. Biol. Res.*, 1: 244-253.
- Borty SC, MH Khan, T Ahammed, MA Gani, MNU Chowdhury, MS Monir and MA Islam, 2016. Microbial and sensory evaluation of Bangladeshi frozen chicken sausage. *Asian J. Med. Biol. Res.*, 1: 463-470.
- CAS, 2023. Chemical Abstracts Service Source Index, Asian Journal of Medical and Biological Research. https://cassi.cas.org/publication.jsp?P=eCQtRPJo9AQyz133K_1l3zLPXfcr-WXfgEfHIH3oZe1ze5Ye83aa8NS1x3rsy0II_40beaURuAhoSXRL_rvJ8QYN4y2h3U4X7EJR1GX0Buoyz133K_1l34pkgSJKvF3FI4ZpNFrWMZsyz133K_1l39NxTPIulNx Bj_u0gBhk8KU. Accessed.
- COPE, 2023. Committee on Publication Ethics, Asian Journal of Medical and Biological Research. <https://publicationethics.org/members/asian-journal-medical-and-biological-research>. Accessed.
- Dar R, S Rasool, AH Zargar, TR Jan and KI Andrabi, 2015. Association of MC4R codon 42 polymorphism with obese/diabetic ethnic Kashmiri population. *Asian J. Med. Biol. Res.*, 1: 149-157.
- Gisèle AN, G Marcelle, DT Victorien, Z Zavier, L Frédéric and B André, 2016. Quality control and interest of the determination of anti-CCP antibodies and rheumatoid factor in the diagnosis of rheumatoid arthritis. *Asian J. Med. Biol. Res.*, 2: 379-388.
- Gofur MR, 2020. Recent advances on identification of spermatogonial stem cells and their niche. *Asian J. Med. Biol. Res.*, 6:375-382.
- Hasan MA, MS Rahman, MA Rahman, S Biswas, R Bhattacharjee and MM Shaikah, 2016. Excavation of irrigation canal changes the cropping pattern in 2013-14: Auria Union, Narail, Bangladesh. *Asian J. Med. Biol. Res.*, 2: 285-296.
- Hoq KMO, M Jerin, MS Uddin and ZH Khan, 2018. Knowledge and attitude on cardiovascular diseases among women in selected areas of Dhaka city. *Asian J. Med. Biol. Res.*, 3: 426-431.
- Hossain MR, FA Flowra, S Islam, SK Dey and S Sultana, 2017. Status of fish culture in Rajshahi City Corporation of Bangladesh. *Asian J. Med. Biol. Res.*, 3: 94-102.
- Hossen MB, 2021. A new statistical approach for the identification of outlier genes in cancer microarray data. *Asian J. Med. Biol. Res.*, 6: 795-801.
- Islam MN and KJ Hossain, 2021. Knowledge and practice about prevention on Hepatitis-B virus infection among the student nurses. *Asian J. Med. Biol. Res.*, 7: 312-322.
- Islam MS, M Hori and H Ozaki, 2017a. Interleukin-33, an interleukin-1 like cytokine accelerates cell migration in IEC-6 cells. *Asian J. Med. Biol. Res.*, 2: 577-581.
- Islam MS, M Hori and H Ozaki, 2017b. Dextran sulfate sodium-induced colitis mice up-regulated extracellular matrix tenascin-C. *Asian J. Med. Biol. Res.*, 2: 582-586.
- Mahmud MS, P Saha, M Rashid, M Sayfullah, ASA Salauddin, M Salahuddin, JP Sah, MA Momin, D Hossain, MS Islam, AB Roman and SM Choudhury, 2015. Prevalence of malaria disease under the Savar upazila of Dhaka district in Bangladesh. *Asian J. Med. Biol. Res.*, 1: 53-58.
- Majumder AK, RA Meem, A Hoque, MG Ara and AA Nayeem, 2021. People's knowledge regarding impacts of air pollution on reproductive health: a self-reported study. *Asian J. Med. Biol. Res.*, 7: 147-152.
- Merza MA, SK Taha, SM Ibrahim, AT Sadeeq and MR Abdulrahman, 2019. Significant association of thrombocytopenia with chronic active hepatitis B virus infection in a tertiary care hospital of an intermediate prevalence HBV country. *Asian J. Med. Biol. Res.*, 5: 207-211.
- Mohanta UK, MN Munsu, MAI Talukder, EH Chowdhury and MM Islam, 2016. Livestock and poultry health management in Saint Martin island. *Asian J. Med. Biol. Res.*, 1: 622-627.
- Mojumder MLO, JU Ahmed, MMU Bhuiyan, MJ Hasan and MS Ali, 2015. Evaluation of reproductive health status in government and commercial dairy herds of Bangladesh. *Asian J. Med. Biol. Res.*, 1: 31-38.
- Mondal MAI, LY Abit, AAM Siddiqui and A Al-Asif, 2024. Fish to finance: unraveling the economic threads of Bangladesh's Blue Economy. *Asian J. Med. Biol. Res.*, 10: 9-41.
- Monwar M, A Khatun, M Parvez, T Naz, MII Wahed, ME Haque, SC Debnath and MI Khan, 2018. Clinical

- presentation and treatment in patients with acute coronary syndrome in a tertiary care general hospital in Bangladesh. *Asian J. Med. Biol. Res.*, 4: 117-122.
- Munsi MN, MAI Talukder, MZ Rahman and MA Hemayet, 2016. A surveillance study on dairy farmers selected in Baghabari milk pocket area of Bangladesh. *Asian J. Med. Biol. Res.*, 2: 62-66.
- Mustari A, KM Sujon, DS Moni, M Alam, MA Miah and MK Islam, 2021. Growth performance, hematological parameters and lipid profile of mice treated with black seed oil and vitamin-E. *Asian J. Med. Biol. Res.*, 7: 132-137.
- Rahaman MM, AN Asma, A Siddiqua, S Akter, RU Siddique and M Alam, 2023a. The treatment efficacy of vitiligo patients attending in a dermatology clinic: an impact of clinico-epidemiological profiles and comorbidities. *Asian J. Med. Biol. Res.*, 9: 51-58.
- Rahaman MM, AN Asma, A Siddiqua, RU Siddique, S Akter and M Alam, 2023b. Patterns of alopecia among patients attended in dermatology clinic of Dhaka city: role of socio-demographic and clinical profiles on treatment process. *Asian J. Med. Biol. Res.*, 9: 106-113.
- Rahman AM, LH Saran, MMU Rashid and A Taher, 2016. Management and treatment patterns of diabetes patients having blood pressure complications living in Dhaka city, Bangladesh. *Asian J. Med. Biol. Res.*, 2: 458-463.
- Rahman MH, M Ahmed, D Sarkar and MA Rahman, 2020. Prevalence and antibiotic susceptibility pattern of pathogens from urinary tract infections (UTI) in a private diagnostic laboratory in Bangladesh. *Asian J. Med. Biol. Res.*, 6: 564-569.
- Rakib MRH, M Yesmin, MA Hemayet, MA Kabir and MN Islam, 2016. Effect of fortification of skim milk with coconut milk on the proximate composition and manufacture of dahi, a traditional sweet curd. *Asian J. Med. Biol. Res.*, 2: 247-252.
- Tama AN, A Begum, M Mukutmoni and MRK Khan, 2020. Isolation of bacterial flora from post burn infection: influence of socio-demographic background on the occurrence of burn injury. *Asian J. Med. Biol. Res.*, 5: 336-342.
- Tannenbaum J, 2019. The pursuit and advancement of knowledge as a justification for the use of animals in research. *ILAR J.*, 60: 347-365.
- Yeasmin S, N Kamrul, MB Uddin and MF Jubayer, 2016. A study on consumption of iodine by an individual in selected area in Tangail, Bangladesh. *Asian J. Med. Biol. Res.*, 2: 341-347.